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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/848,048	05/03/2001	John E. McGunnigle	102088-0001	5582
24267                      7590                      06/10/2008 CESARI AND MCKENNA, LLP 88 BLACK FALCON AVENUE BOSTON, MA 02210				
EXAMINER				
DAO, MINH D				
ART UNIT		PAPER NUMBER		
2618				
MAIL DATE		DELIVERY MODE		
06/10/2008		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

**Application No.**

09/848,048

**Applicant(s)**

MCGUNNIGLE, JOHN E.

**Examiner**

MINH D. DAO

**Art Unit**

2618

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 February 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1, 2, 7-9 and 14-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1, 2, 7-9 and 14 is/are allowed.
- 6) ☒ Claim(s) 15-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/C)
- Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Allowable Subject Matter***

1. Claims 1, 2, 7, 8, 9 and 14 are allowed.
2. The following is a statement of reasons for the indication of allowable subject matter: Claims 1, 2, 7, 8, 9 and 14 are allowed for the reasons stated in Applicant's remarks filed 02/25/08, and the Interview Summary issued by Examiner dated 01/29/08.

***Response to Arguments***

3. Applicant's arguments with respect to newly added claims 15-17 have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 15-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Henry (5,590,396) in view of Cantwell (US 5,917,827) and further in view of Tamil (US 6,169,910).

Regarding claim 15, the combination of Henry and Cantwell, as previously stated, teaches a microwave communication network that overlays a public switched telephone network (PSTN) comprising: a plurality of microwave transceivers forming a microwave network which overlays said PSTN, said transceivers being geographically located so as to provide a wireless interoffice facility (IOF) for carrying all types of traffic normally carried by said PSTN between two or more central offices, tandem switches or other premises controlled by an incumbent local exchange carrier (ILEC) (see Henry, fig. 1, PSTN lines 117; col. 3, line 59 to col. 4, line 12; see Cantwell, fig. 1; col. 1, lines 16-24; col. 4, lines 4-12). However, Henry and Cantwell do not mention that said wireless IOF being capable of providing redundancy with respect to a failure of said wireline portion of said PSTN. Tamil, in an analogous art, teaches a microwave network including microwave tower antennas and radios to avoid using expensive satellites, and passing on significant savings to consumers. This implementation yields significant **cost savings**. Moreover, such a system would be **more reliable** and much less costly to maintain (see fig. 2; col. 13, lines 18-32). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to provide the above teaching of Tamil to Henry and Cantwell in order for the combined system of Henry, Cantwell and Tamil to be more reliable and less expensive to implement as taught by Tamil.

Regarding claim 16, the rejection of claim 15 is herein incorporated. In addition, Cantwell and Tamil disclose providing wireless bandwidth more cost effectively than

wireline bandwidth (see Cantwell fig. 1; col. 1, lines 16-24; col. 4, lines 4-12; see Tamil, fig. 2; col. 13, lines 18-32. Also see rejection of claim 15 above).

Regarding claim 17, the rejections of claims 15 and 16 are herein incorporated. In addition, the providing wireless bandwidth, reliable and more cost effectively than wireline bandwidth of Cantwell and Tamil reads on the "complementary to service" on claim 17.

### ***Conclusion***

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MINH D. DAO whose telephone number is (571)272-7851. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MATTHEW ANDERSON can be reached on 571-272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MINH DAO  
/MINH D DAO/  
Examiner, Art Unit 2618

/Matthew D. Anderson/

Supervisory Patent Examiner, Art Unit 2618